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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 2026-4282	SERIAL NO. 09/744,289
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT SZU et al.	
		FILING DATE January 22, 2001	GROUP ART UNIT TBA 1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,356,170	10/26/82	JENNINGS ET AL			
	4,711,779	12/8/87	PORRO ET AL			
	5,371,197	12/6/94	MARBURG ET AL			
	5,585,100	12/17/96	MOND ET AL			
	5,693,326	12/2/97	LEES			
	5,773,007	6/30/98	PENNY ET AL			
	5,785,973	7/28/98	BIXLER ET AL			
	5,370,872	12/6/94	CRYZ ET AL			
	5,306,492	4/26/94	PORRO			
	5,153,312	10/6/92	PORRO			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

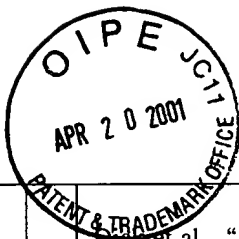
	Chu, C; "Preparation, Characterization, an Immunogenicity of Conjugates Composed of the O-Specific Polysaccharide of Shigella dysenteriae Type 1 (Shiga's Bacillus) Bound to Tetanus Toxoid", <i>Infection and Immunity</i> , Vol. 59, No.12; pp 4450-4458, December 1991.
	Cryz, S.J, "Synthesis and Characterization of Escherichia coli 018 O-Polysaccharide Conjugate Vaccines", <i>Infection and Immunity</i> , Vol. 58, No. 2, pp 373-377, February 1990.

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180			Johnson, R.P., "Serum Antibody Responses of Cattle Following Experimental Infection with Escherichia coli O157:H7", <i>Infection and Immunity</i> , Vol. 64, pp 1879-1883, May 1996.
		✓	Conference Discusses Ways to Reduce E. coli at Farm and Slaughter, <i>Food Chemical News</i> , Vol. 37, No. 9 (Abstract) April 24, 1995.
		✓	E. coli, VTEC Research Reviewed at IAMFES Meeting, <i>Food Chemical News</i> , Vol 38, No. 21, (Abstract) July 15, 1996.
		✓	Brief Notes: Researchers at the National Institutes of Health, <i>Food Chemical News</i> , Vol 39, No. 52, (Abstract) February 16, 1998.
			E. coli US Experts: Food Poisoning Vaccine Works, <i>Vaccine Weekly</i> , (Abstract), March 2, 1998.
		✓	Product News: Escherichia coli Vaccine Specific to E. coli O157 Might be Useful for Prophylaxis and Treatment, <i>Inpharma</i> , (Abstract), February 24, 1998.
			You Should Know, <i>Food Institute Report</i> , Vol. 71, No. 7, (Abstract), February 16, 1998.
		✓	Konadu et al, "Synthesis and Immunologic Properties of O-Specific Polysaccharide-Protein Conjugate Vaccines for Prevention and Treatment of Infections with Escherichia coli O157 and Other Causes of the Hemolytic-Uremic Syndrome", In <u>Escherichia coli O157:H7 and other Shiga Toxin-Producing E. coli Strains</u> , Ed. JB. Kaper and A.D. O'Brien, American Society for Microbiology, Washington, pp 419-424 (June 19, 1998) (based on a symposium and workshop held in Baltimore, MD, June 22-26, 1997)
		✓	Meeting schedule and slides from presentation by Shousun C. Szu entitled "LPs-based vaccine" held on June 26, 1997 during a symposium and workshop of the American Society for Microbiology, Washington, DC, held in Baltimore, MD, June 22-26, 1997 (with re-typed text of the slide labeled "Why is conjugate better" and computer printout of "Anti-LPS IgG (Preliminary slide)
✓		✓	Claesson et al, "Clinical and Immunologic Responses to the Capsular Polysaccharide of Haemophilus Influenzae Type b Alone or Conjugated to Tetanus Toxoid in 18-to 23 month old Children", <i>Journal of Pediatrics</i> , Vol. 112 No. 5 pp 695-702, May 1988

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VBP		DICK et al., "Glycoconjugates of Bacterial Carbohydrate Antigens a Survey and Consideration of Design and Preparation Factors", Cruse JM, Lewis RE Jr. (eds) <i>Conjugate Vaccines</i> , Vol. 10, pp 48-114, 1989.
		Gupta, R.K., "Comparative Immunogenicity of Conjugates Composed of Escherichia coli 0111 O-Specific Polysaccharide, Prepared by Treatment with Acetic Acid or Hydrazine, Bound to Tetanus Toxoid by Two Synthetic Schemes", <i>Infection and Immunity</i> Vol. 63, No. 8., pp 2805-2810, August 1995.
		Konadu et al, "Investigational Vaccine for Escherichia coli 0157: Phase 1 Study of 0157 O-Specific Polysaccharide-Pseudomonas aeruginosa Recombinant Exoprotein A Conjugates in Adults", <i>The Journal of Infectious Diseases</i> . February 1998, Vol. 177, pp 383-387. (mailed out to the public on January 21, 1998).
		Konadu et al, "Preparation, Characterization, and Immunological Properties in Mice of Escherichia coli 0157 O-Specific Polysaccharide-Protein Conjugate Vaccines", <i>Infection and Immunity</i> , Vol. 62, No. 11, pp 5048-5054, November 1994.
		Robbins et al, "O-Specific Side-Chain Toxin-Protein Conjugates as Parental Vaccines for the Prevention of Shigellosis and Related Diseases", <i>Reviews of Infectious Diseases</i> , Vol. 13, No. 4 supplement, pp S362-S365, 1991.
	X	Sjogren et al, "Influence of Shiga-like toxin production in Enteric Infection with an Enteropathogenic Escherichia coli strain", <i>Gastroenterology</i> , Vol. 92, No. 5, Part 2 pp 1643, May 1987.
		Taylor et al, "Synthesis, Characterization, and Clinical Evaluation of Conjugate Vaccines Composed of the O-Specific Polysaccharides of Shigella dysenteriae Type 1, Shigella flexneri Type 2a, and Shigella sonnei (Plesiomonas shigelloides) Bound to Bacterial Toxoids", <i>Infection and Immunity</i> , Vol. 61, pp 3678-3687, September 1993.
	Y	Human Testing of E. Coli 0157:H7 Vaccine, <i>Food Chemical News</i> , , Vol. 37 No. 19 (Abstract), July 3, 1995.
	V	Lovett, R.A., "Training a Molecular Gun on Killer <i>E. coli</i> ", <i>Science</i> 282: 1404 , November 20, 1998.
W		Robbins et al, "Hypothesis for Vaccine Development: Protective Immunity to Enteric Diseases Caused by Nontyphoidal Salmonellae and Shigellae May be Conferred by Serum IgG Antibodies to the O-Specific Polysaccharide of their Lipopolysaccharides", <i>Clinical Infectious Diseases</i> , Vol 15 pp 346-361, 1992.

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VB			Sarnaik et al, "Studies on Pneumococcus Vaccine alone or Mixed with DTP and on Pneumococcus Type 6B and Haemophilus influenzae Type b Capsular Polysaccharide-tetanus Toxoid Conjugates in Two-to Five-year Old Children with Sick Cell Anemia", <i>Pediatric Infect. Dis. J.</i> Vol. 9, pp 181-186, 1990
			Schneerson et al, "Quantitative and Qualitative Analyses of Serum Antibodies Elicited in Adults by Haemophilus Influenzae Type b and Penumococcus Type 6A Capsular Polysaccharide-Tetanus Toxoid Conjugates", <i>Infection and Immunity</i> , pp 519-528, May 1986.
			Robbins et al, "Perspective: Hypotheses: Serum IgG Antibody is Sufficient to Confer Protection against Infectious Diseases by Inactivating the Inoculum", <i>Journal of Infectious Diseases</i> , Vol. 171, pp 1387-98, February 1995.
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EXAMINER			DATE CONSIDERED
			7/2/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			